

AMENDMENTS TO THE CLAIMS

Claims 1-8. (Canceled).

9. (Currently amended) A method for preparing an organ by perfusion prior to transplantation or storage of the organ comprising:

providing an ischemic reperfusion injury prevention preparation for perfusion of an organ prior to transplantation or storage of the organ, wherein the ischemic reperfusion injury prevention preparation comprises:

(A) a soluble derivative of a soluble polypeptide, wherein the soluble derivative comprises:

(1) a fragment of complement receptor 1 (CR1) having a sequence that is set forth in SEQ ID NO: 1, and

(2) at least two membrane binding elements, wherein (a) at least one membrane binding element is a non-peptidic membrane binding element comprising acyl groups, and (b) at least one membrane binding element is a peptidic membrane binding element comprising basic amino acids, wherein the peptidic membrane binding element is bound to the non-peptidic membrane binding element and the fragment of complement receptor 1; and

(B) a physiologically acceptable flush storage solution; and

(C) perfusing the organ with the ischemic reperfusion injury prevention preparation.

Claims 10-13. (Canceled).

14. (Previously presented) The method according to claim 9, wherein the physiologically acceptable flush storage solution comprises potassium citrate, sodium citrate, mannitol and magnesium sulphate.

15. (Canceled).

16. (Currently amended) The method according to claim ~~45~~ 9, wherein the fragment of complement receptor 1 (CR1) has a sequence according to positions 2 to 197 of SEQ ID NO.1.

17. (Previously presented) The method according to claim 9, wherein the peptidic membrane binding element comprises a sequence selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO: 10 and SEQ ID NO: 11.

18. (Previously presented) The method according to claim 9, wherein the non-peptidic membrane binding element comprises myristoyl.

19. (New) The method according to claim 9, wherein the organ is a kidney, a heart, or a lung.

20. (New) The method according to claim 19, wherein the organ is a human organ.

21. (New) The method according to claim 19, wherein the organ is a non-human animal organ.

22. (New) The method according to claim 9, wherein the peptidic membrane binding element comprises 8 to 20 amino acids.